

Technical Data

2015 BMW2 Series Coupe

		228i Coupe	228i Coupe	M235i Coupe	M235i Coupe	228i xDrive Coupe	M235i xDrive Coupe
Engine type		N20B2000	N20B2000	N55B3000	N55B3000	N20B2000	N55B3000
Transmission type		automatic transmission 8	manual transmission 6	automatic transmission 8	manual transmission 6	automatic transmission 8	automatic transmission 8
No of Doors / Seats	/	2 / 4	2 / 4	2 / 4	2 / 4	2 / 4	2 / 4
Veh. length	mm / inch	4437 / 174.7	4437 / 174.7	4469 / 175.9	4469 / 175.9	4437 / 174.7	4469 / 175.9
Veh. width	mm / inch	1774 / 69.8	1774 / 69.8	1774 / 69.8	1774 / 69.8	1774 / 69.8	1774 / 69.8
Veh. height	mm / inch	1418 / 55.8	1418 / 55.8	1408 / 55.4	1408 / 55.4	1418 / 55.8	1408 / 55.4
Wheelbase	mm / inch	2690 / 105.9	2690 / 105.9	2690 / 105.9	2690 / 105.9	2690 / 105.9	2690 / 105.9
Turning circle	m / ft	10.9 / 35.8	10.9 / 35.8	10.9 / 35.8	10.9 / 35.8	11.3 / 37.1	11.3 / 37.1
Ground clearance	mm / inch	140 / 5.5	140 / 5.5	130 / 5.1	130 / 5.1	140 / 5.5	130 / 5.1
Shoulder width front	mm / inch	1383 / 54.4	1383 / 54.4	1383 / 54.4	1383 / 54.4	1383 / 54.4	1383 / 54.4
Shoulder width rear	mm / inch	1357 / 53.4	1357 / 53.4	1357 / 53.4	1357 / 53.4	1357 / 53.4	1357 / 53.4
Legroom front	mm / inch	1055 / 41.5	1055 / 41.5	1055 / 41.5	1055 / 41.5	1055 / 41.5	1055 / 41.5
Legroom rear	mm / inch	837 / 33	837 / 33	837 / 33	837 / 33	837 / 33	837 / 33
Max. headroom front	mm / inch	1018 / 40.1	1018 / 40.1	1018 / 40.1	1018 / 40.1	1018 / 40.1	1018 / 40.1
Max. headroom rear	mm / inch	927 / 36.5	927 / 36.5	927 / 36.5	927 / 36.5	927 / 36.5	927 / 36.5
Luggage comp. capacity	m³ / ft³	0,390 / 13.8	0,390 / 13.8	0,390 / 13.8	0,390 / 13.8	0,390 / 13.8	0,390 / 13.8
Fuel tank capacity	liter / gal	52 / 13.7	52 / 13.7	52 / 13.7	52 / 13.7	52 / 13.7	52 / 13.7
Curb weight (US)	Kg / lbs	1517 / 3345	1495 / 3295	1603 / 3535	1590 / 3505	1574 / 3470	1676 / 3695
Weight distribution (empty car)	Front % / Rear%	50.8 / 49.2	50.4 / 49.6	52.2 / 47.8	51.9 / 48.1	50.7 / 49.3	53.5 / 46.5
Gross veh. weight	Kg / lbs	1910 / 4210	1889 / 4165	1980 / 4365	1964 / 4330	1978 / 4360	2037 / 4490
Payload	Kg / lbs	356 / 785	356 / 785	367 / 810	367 / 810	356 / 785	356 / 785
Axle load limit front	Kg / lbs	900 / 1985	900 / 1985	968 / 2135	968 / 2135	930 / 2050	1018 / 2245
Axle load limit rear	Kg / lbs	1064 / 2345	1064 / 2345	1080 / 2380	1080 / 2380	1091 / 2405	1080 / 2380
Engine type / Cylinders / Valves p.cyl.		in line / 4 / 4	in line / 4 / 4	in line, VANOS, Valvetronic / 6 / 4	in line, VANOS, Valvetronic / 6 / 4	in line / 4 / 4	in line, VANOS, Valvetronic / 6 / 4
Engine management		MEVD 17.2.P	MEVD 17.2.P	MEVD 17.2	MEVD 17.2	MEVD 17.2.P	MEVD 17.2
Induction type		Twin scroll turbocharger	Twin scroll turbocharger	Twin scroll turbocharger	Twin scroll turbocharger	Twin scroll turbocharger	Twin scroll turbocharger
Injection type		High precision direct injection	High precision direct injection	High precision direct injection	High precision direct injection	High precision direct injection	High precision direct injection
Displacement	cm³ / inch³	1997 / 122	1997 / 122	2979 / 182	2979 / 182	1997 / 122	2979 / 182
Stroke	mm / inch	90.1 / 3.5	90.1 / 3.5	89.6 / 3.5	89.6 / 3.5	90.1 / 3.5	89.6 / 3.5
Bore	mm / inch	84 / 3.3	84 / 3.3	84 / 3.3	84 / 3.3	84 / 3.3	84 / 3.3
Engine power / at rpm	hp / RPM	240 / 5000-6500	240 / 5000-6500	320 / 5800-6000	320 / 5800-6000	240 / 5000-6500	320 / 5800-6000
Engine torque / at rpm	ft lbs (Nm) / RPM	255 (350) / 1450-4800	255 (350) / 1450-4800	330 (450) / 1300-4500	330 (450) / 1300-4500	255 (350) / 1450-4800	330 (450) / 1300-4500
Compression rate / Fuel type (recomm.)	1 / 1	10 / Premium	10 / Premium	10.2 / Premium	10.2 / Premium	10 / Premium	10.2 / Premium
Type of Transmission		8HP45	1 plus	8HP45	K	8HP45	8HP45
Gear ratios 1st gear		4.714	3.498	4.714	4.11	4.714	4.714
2nd gear		3.143	2.005	3.143	2.315	3.143	3.143
3rd gear		2.106	1.313	2.106	1.542	2.106	2.106
4th gear		1.667	1	1.667	1.179	1.667	1.667
5th gear		1.285	0.809	1.285	1	1.285	1.285
6th gear		1	0.677	1	0.846	1	1
7th gear		0.839		0.839		0.839	0.839
8th gear		0.667		0.667		0.667	0.667
Reverse gear		3.295	3.348	3.295	3.727	3.295	3.295
Final drive		3.077	3.909	3.077	3.077	3.077	3.077
Steering type / Steering ratio	1 : 1	rack-and-pinion / 15	rack-and-pinion / 15	rack-and-pinion / 14.5	rack-and-pinion / 14.5	rack-and-pinion / 15	rack-and-pinion / 14.6
Front brake // Diameter	inch	disc ventilated / 12.3	disc ventilated / 12.3	disc ventilated / 13.4	disc ventilated / 13.4	disc ventilated / 12.3	disc ventilated / 13.4
Rear brake // Diameter	inch	disc ventilated / 11.4	disc ventilated / 11.4	disc ventilated / 11.4	disc ventilated / 11.4	disc ventilated / 11.4	disc ventilated / 11.4
Cd // Frontal	l / m² / ft²	0.3 // 2.14 / 23.04	0.30 // 2.16 / 23.25	0.33 // 2.14 / 23.04	0.33 // 2.14 / 23.04	0.3 // 2.14 / 23.04	0.33 // 2.14 / 23.04
Top speed	Km/h / mph	210 / 130	210 / 130	210 / 130	210 / 130	210 / 130	210 / 130
Top speed optional	Km/h / mph	250 / 155	250 / 155	250 / 155	250 / 155	250 / 155	250 / 155
Acceleration 0-60 mph	s	5.4	6	4.6	5	5.3	4.6
Acceleration 0-100 Km/h	s	5.7	5.9	4.8	5	5.6	4.8
Acceleration 0-1000m	s	25.5	25.3	24.1	24.1	25.5	24.1
Fuel consumption city EPA	mpg	23	22	21	19	23	20
Fuel consumption highway EPA	mpg	36	34	32	28	35	30
Fuel consumption combined EPA	mpg	26	26	25	22	27	24
Range	miles	493	466	438	384	490	411
Front tires		205/50 R17 89V RSC	205/50 R17 89V RSC	225/40 ZR18 88Y	225/40 ZR18 88Y	205/50 R17 89V RSC	225/40 ZR18 88Y
Rear tires		205/50 R17 89V RSC	205/50 R17 89V RSC	245/35 ZR18 92Y XL	245/35 ZR18 92Y XL	205/50 R17 89V RSC	245/35 ZR18 92Y XL
Front wheels		7J x 17	7J x 17	7.5 J x 18	7.5 J x 18	7J x 17	7.5 J x 18
Rear wheels		7J x 17	7J x 17	8 J x 18	8 J x 18	7J x 17	8 J x 18
Track front	mm / inch	1521 / 59.9	1521 / 59.9	1516 / 59.7	1516 / 59.7	1521 / 59.9	1516 / 59.7
Track rear	mm / inch	1556 / 61.3	1556 / 61.3	1534 / 60.4	1534 / 60.4	1556 / 61.3	1534 / 60.4